

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
 Data File : BF141924.D
 Acq On : 11 Mar 2025 19:12
 Operator : RC/JU
 Sample : Q1515-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-030625

Quant Time: Mar 12 01:15:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

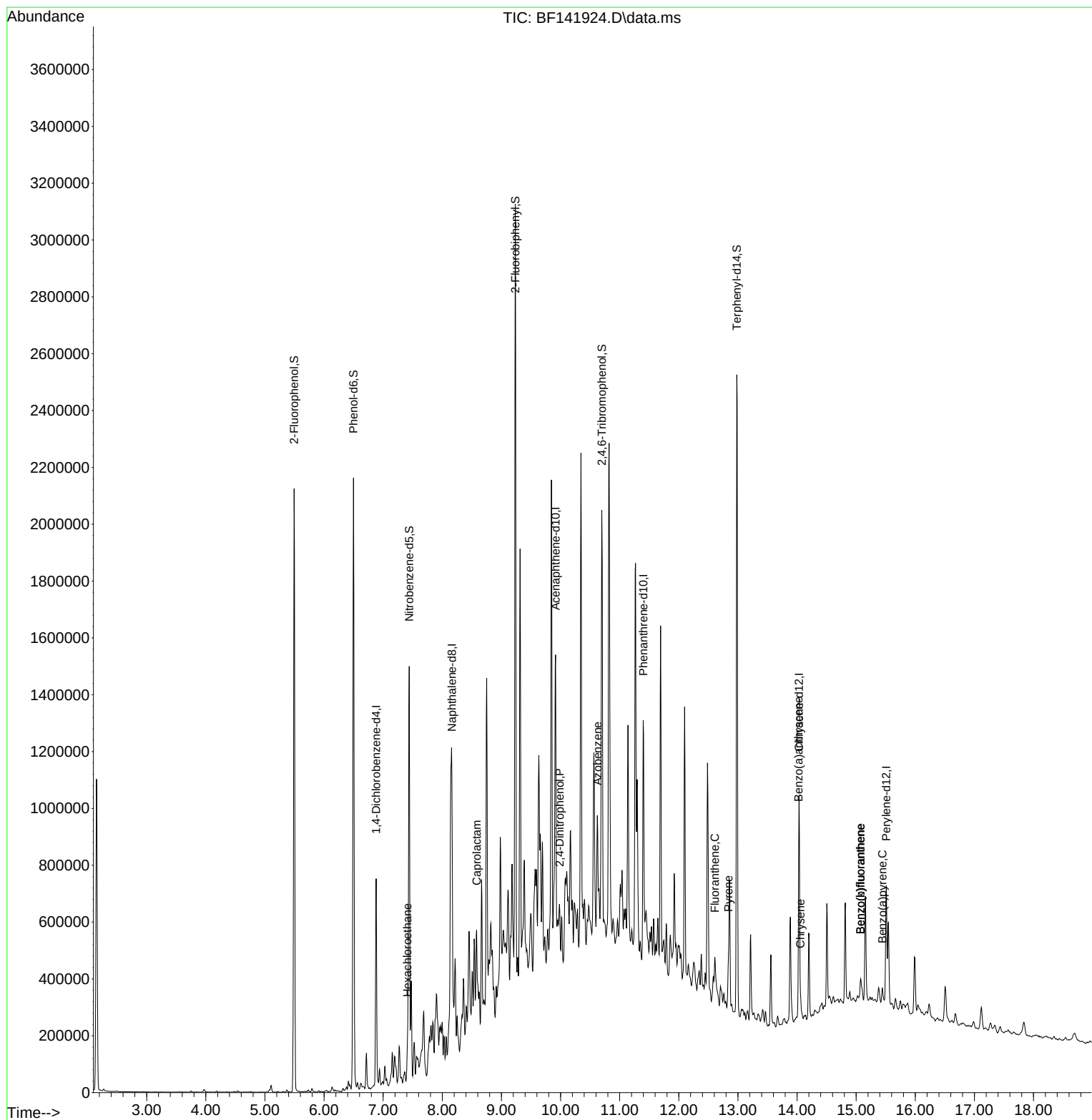
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	149025	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	552945	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	275999	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	416654	20.000	ng	0.00
76) Chrysene-d12	14.033	240	343025	20.000	ng	0.00
86) Perylene-d12	15.510	264	246698	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	804688	90.119	ng	0.00
7) Phenol-d6	6.498	99	1023751	90.049	ng	0.00
23) Nitrobenzene-d5	7.440	82	642692	65.410	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	273950	78.240	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	1149417	63.335	ng	0.00
79) Terphenyl-d14	12.980	244	1104591	47.608	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	7.410	117	8568	2.112	ng	# 1
35) Caprolactam	8.581	113	9640	3.859	ng	# 1
54) 2,4-Dinitrophenol	9.986	184	193	6.651	ng	# 1
63) Azobenzene	10.628	77	93070	5.194	ng	# 1
75) Fluoranthene	12.610	202	86871	3.639	ng	99
78) Pyrene	12.839	202	92306	3.111	ng	98
81) Benzo(a)anthracene	14.027	228	61334	2.725	ng	# 91
83) Chrysene	14.057	228	42176	2.067	ng	# 93
88) Benzo(b)fluoranthene	15.074	252	61779	3.654	ng	# 86
89) Benzo(k)fluoranthene	15.074	252	61779	4.270	ng	# 86
90) Benzo(a)pyrene	15.445	252	30583	2.312	ng	# 86

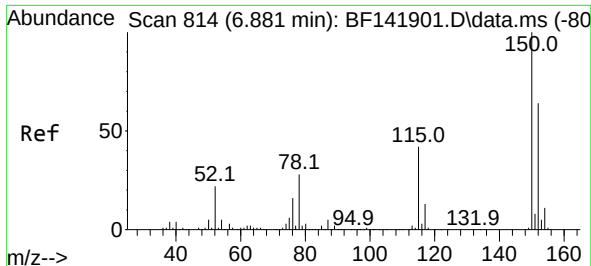
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141924.D
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Misc :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
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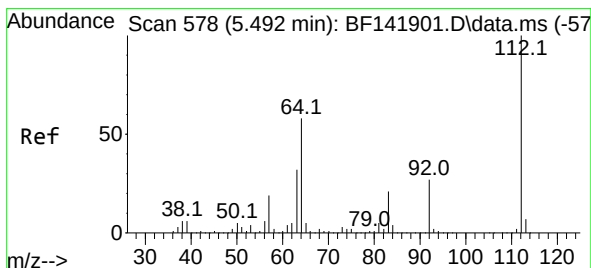
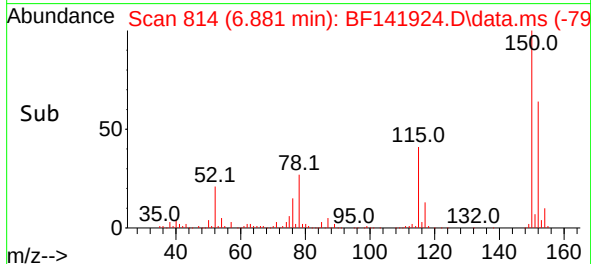
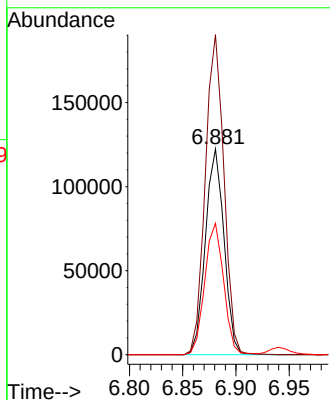
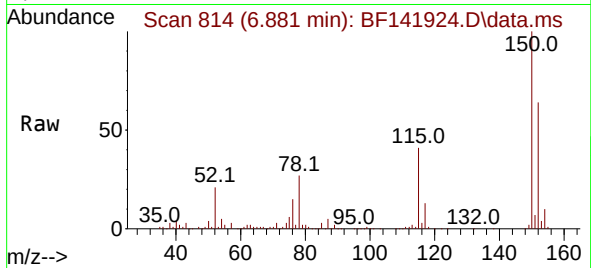




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141924.D
Acq: 11 Mar 2025 19:12

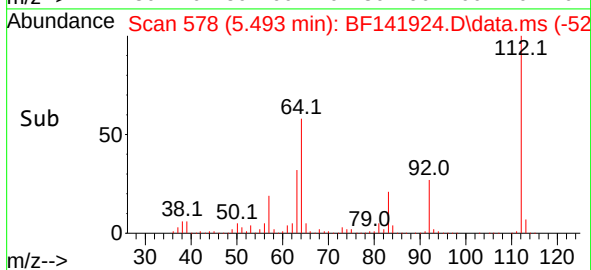
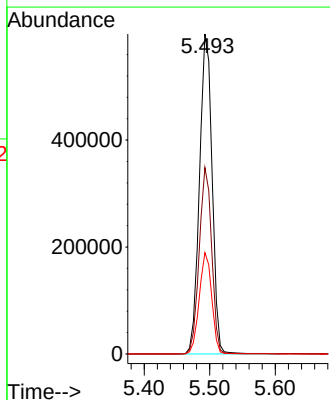
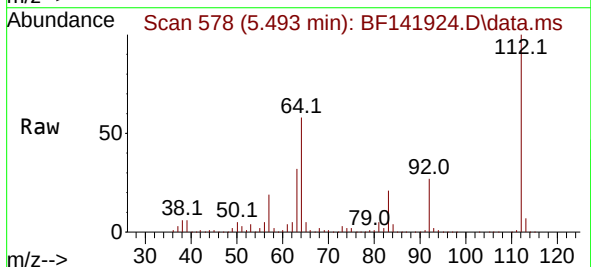
Instrument :
BNA_F
ClientSampleId :
AU-06-030625

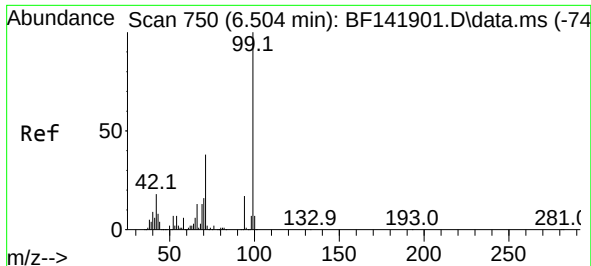
Tgt Ion:152 Resp: 149025
Ion Ratio Lower Upper
152 100
150 155.5 127.4 191.2
115 63.8 51.9 77.9



#5
2-Fluorophenol
Concen: 90.119 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF141924.D
Acq: 11 Mar 2025 19:12

Tgt Ion:112 Resp: 804688
Ion Ratio Lower Upper
112 100
64 58.2 46.5 69.7
63 31.7 25.4 38.2

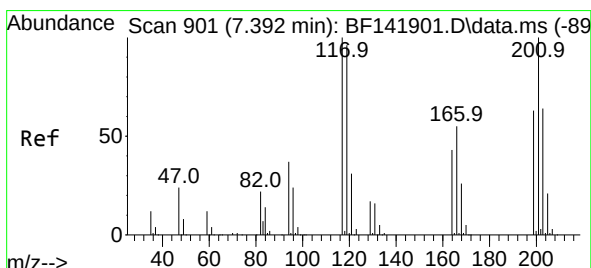
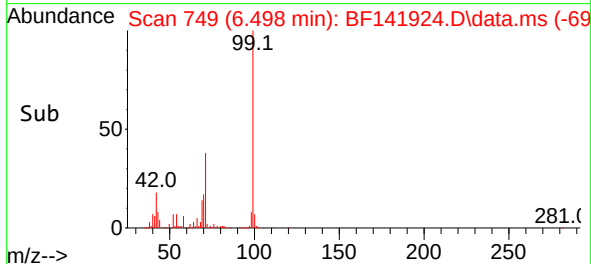
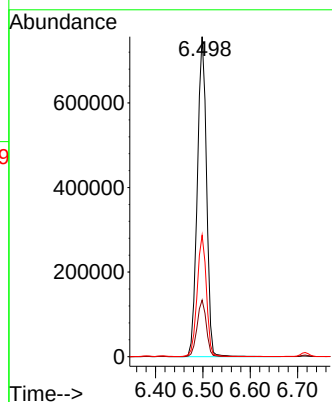
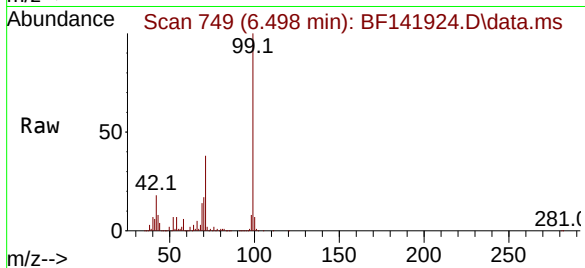




#7
Phenol-d6
Concen: 90.049 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF141924.D
Acq: 11 Mar 2025 19:12

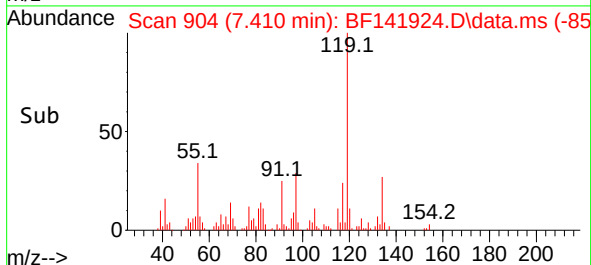
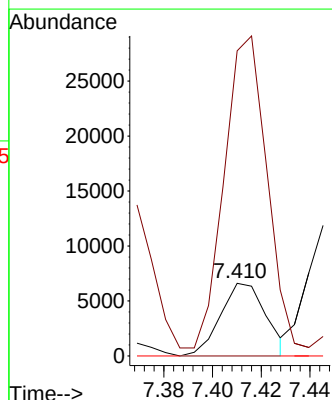
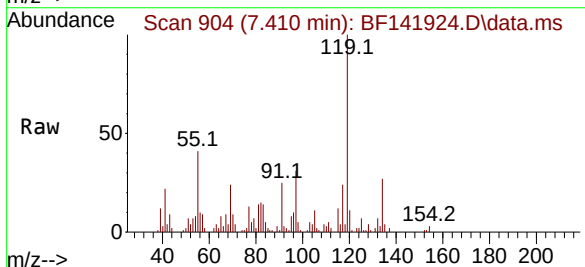
Instrument :
BNA_F
ClientSampleId :
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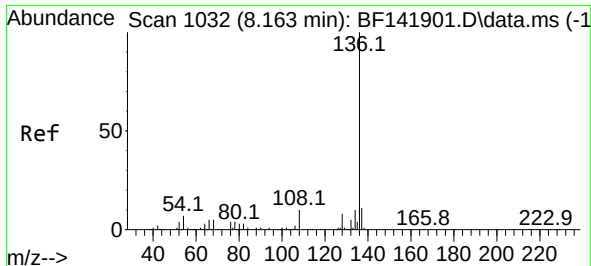
Tgt Ion: 99 Resp: 1023751
Ion Ratio Lower Upper
99 100
42 17.7 14.6 21.8
71 38.0 30.8 46.2



#18
Hexachloroethane
Concen: 2.112 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.018 min
Lab File: BF141924.D
Acq: 11 Mar 2025 19:12

Tgt Ion: 117 Resp: 8568
Ion Ratio Lower Upper
117 100
119 419.9 76.9 115.3#
201 0.0 79.9 119.9#

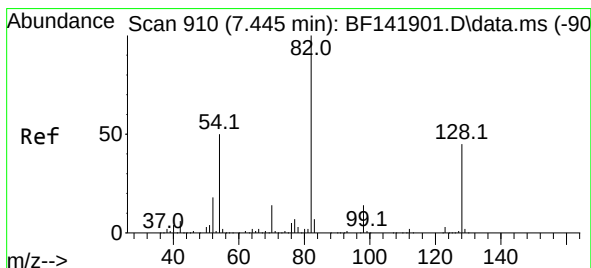
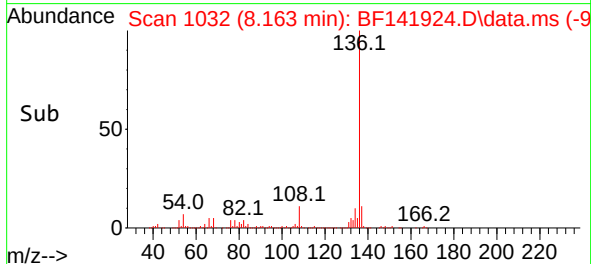
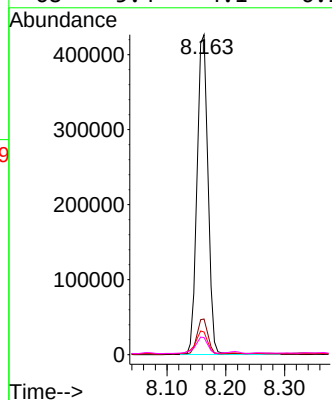
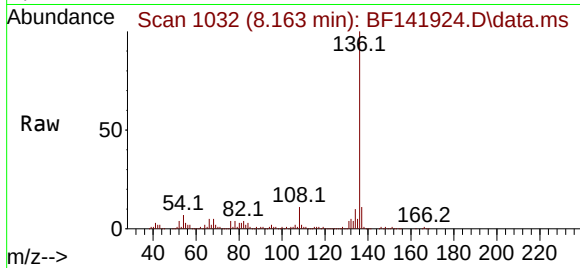




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BF141924.D
Acq: 11 Mar 2025 19:12

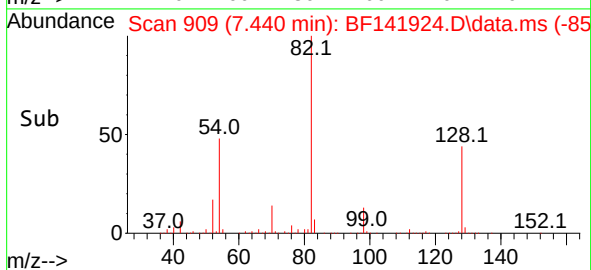
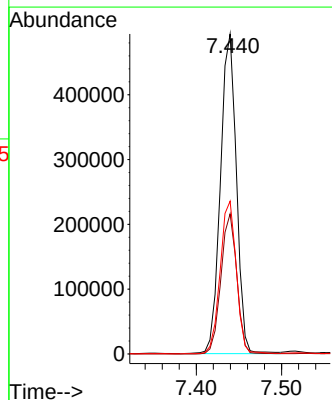
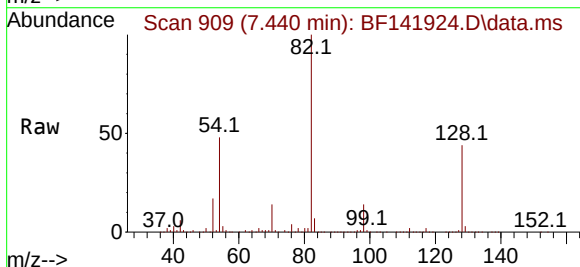
Instrument :
BNA_F
ClientSampleId :
AU-06-030625

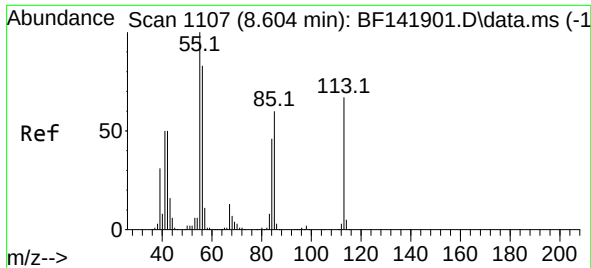
Tgt Ion:	136	Resp:	552945
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.1	5.8	8.8
68	5.4	4.1	6.1



#23
Nitrobenzene-d5
Concen: 65.410 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF141924.D
Acq: 11 Mar 2025 19:12

Tgt Ion:	82	Resp:	642692
Ion	Ratio	Lower	Upper
82	100		
128	43.8	36.0	54.0
54	47.7	39.6	59.4

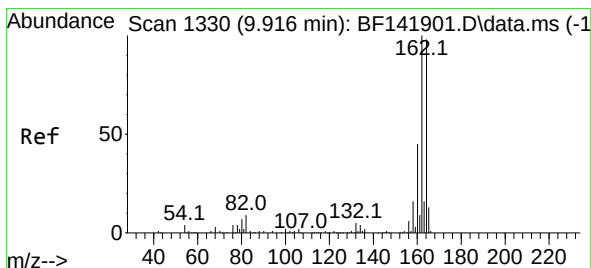
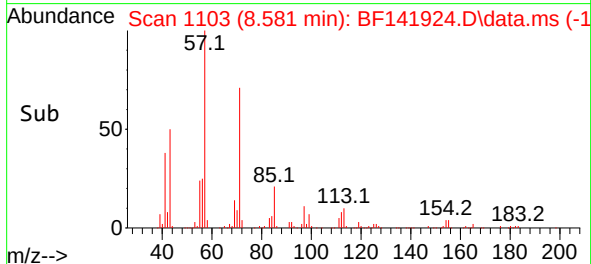
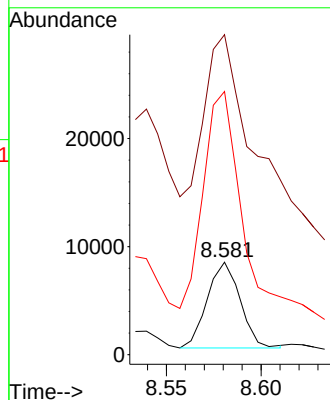
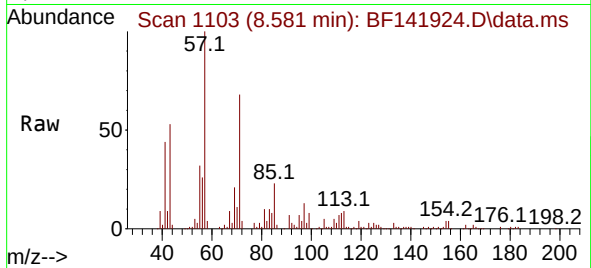




#35
Caprolactam
Concen: 3.859 ng
RT: 8.581 min Scan# 1107
Delta R.T. -0.023 min
Lab File: BF141924.D
Acq: 11 Mar 2025 19:12

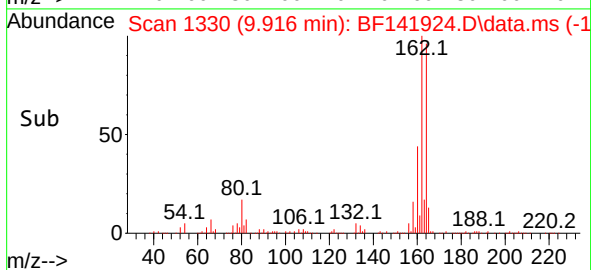
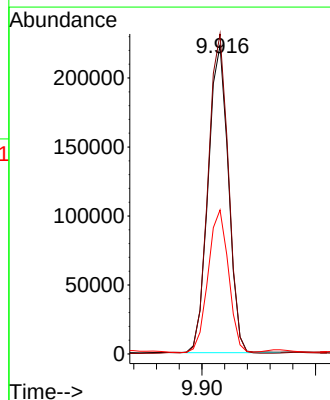
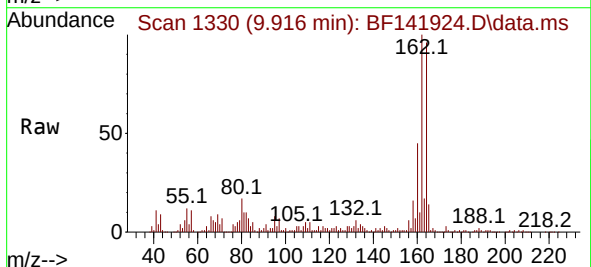
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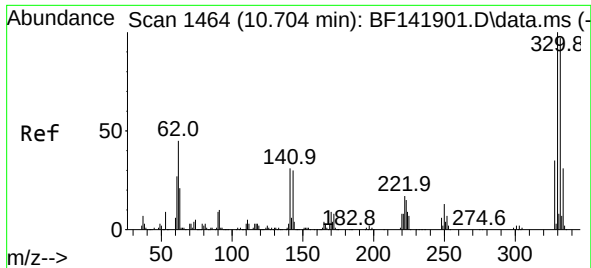
Tgt Ion:113 Resp: 9640
Ion Ratio Lower Upper
113 100
55 345.7 129.6 169.6#
56 284.4 104.0 144.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF141924.D
Acq: 11 Mar 2025 19:12

Tgt Ion:164 Resp: 275999
Ion Ratio Lower Upper
164 100
162 103.7 81.8 122.6
160 46.6 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 78.240 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF141924.D

Acq: 11 Mar 2025 19:12

Instrument :

BNA_F

ClientSampleId :

AU-06-030625

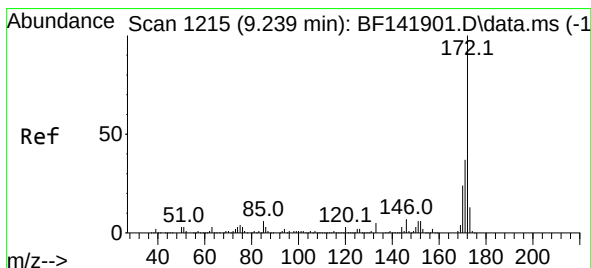
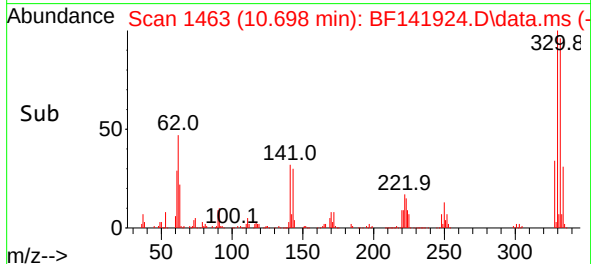
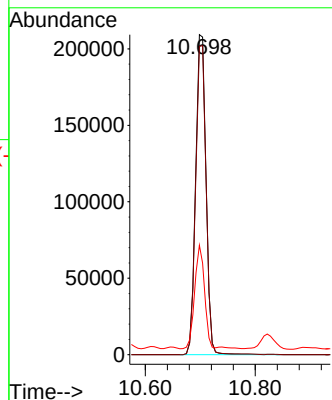
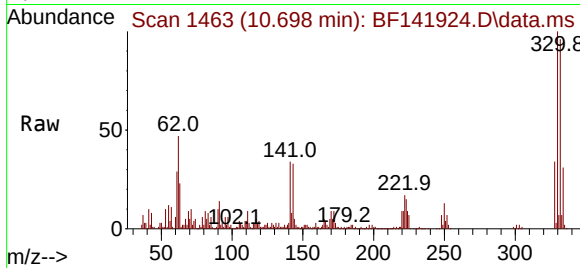
Tgt Ion:330 Resp: 273950

Ion Ratio Lower Upper

330 100

332 96.9 77.6 116.4

141 30.6 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 63.335 ng

RT: 9.234 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF141924.D

Acq: 11 Mar 2025 19:12

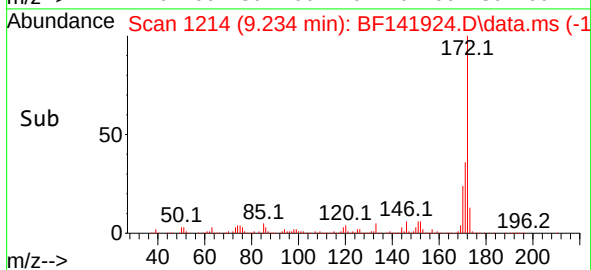
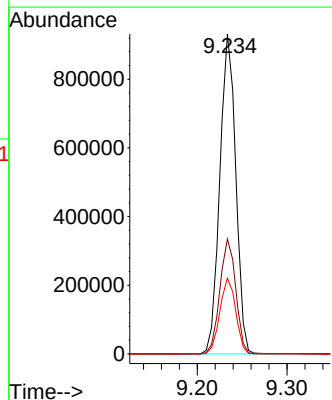
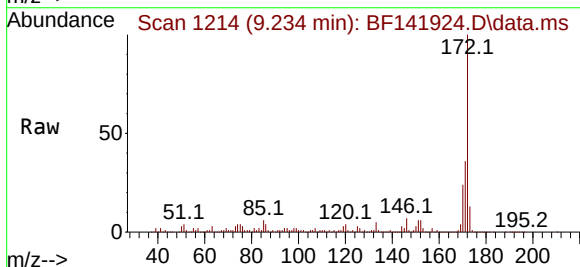
Tgt Ion:172 Resp: 1149417

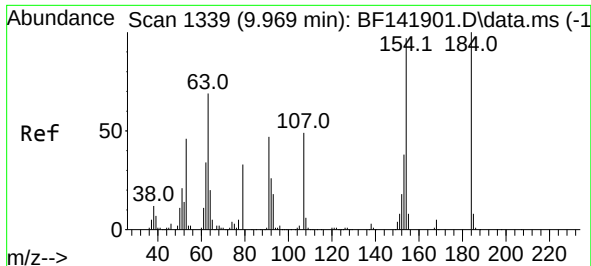
Ion Ratio Lower Upper

172 100

171 36.0 29.3 43.9

170 23.7 19.4 29.0

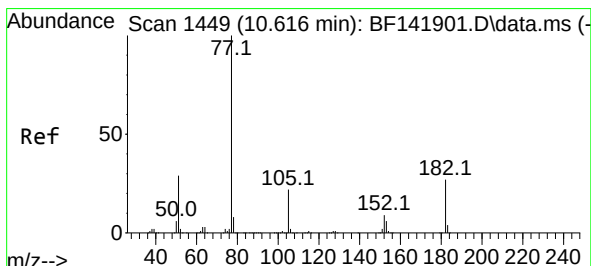
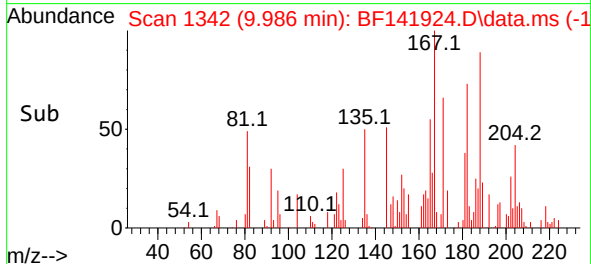
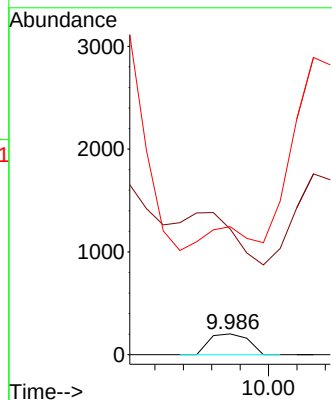
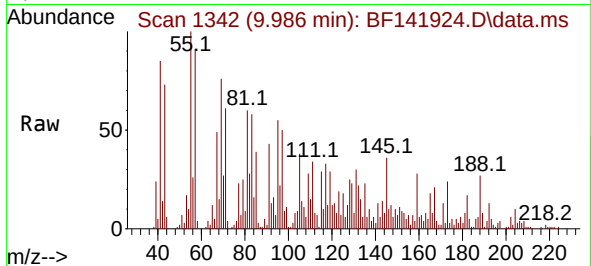




#54
2,4-Dinitrophenol
Concen: 6.651 ng
RT: 9.986 min Scan# 11
Delta R.T. 0.017 min
Lab File: BF141924.D
Acq: 11 Mar 2025 19:12

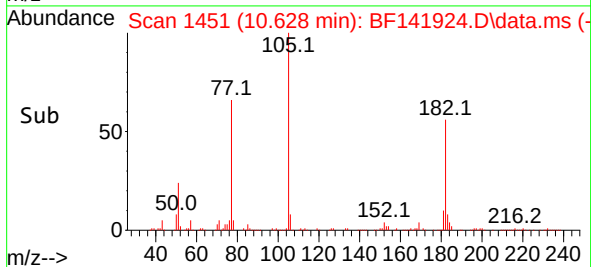
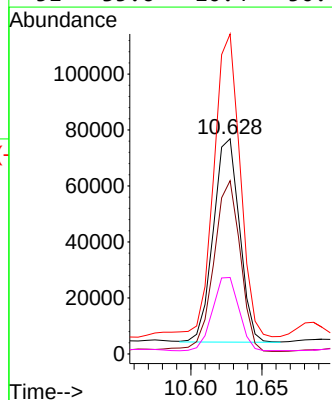
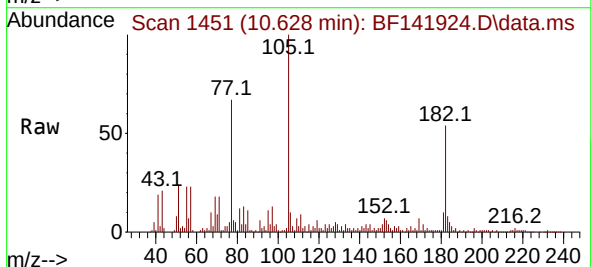
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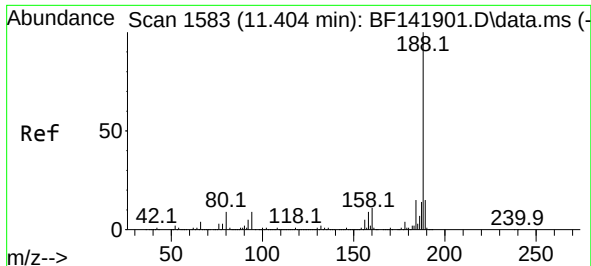
Tgt Ion:184 Resp: 193
Ion Ratio Lower Upper
184 100
63 605.4 60.2 90.4#
154 616.3 132.9 199.3#



#63
Azobenzene
Concen: 5.194 ng
RT: 10.628 min Scan# 1451
Delta R.T. 0.012 min
Lab File: BF141924.D
Acq: 11 Mar 2025 19:12

Tgt Ion: 77 Resp: 93070
Ion Ratio Lower Upper
77 100
182 80.5 6.6 46.6#
105 148.7 1.3 41.3#
51 35.6 10.4 50.4

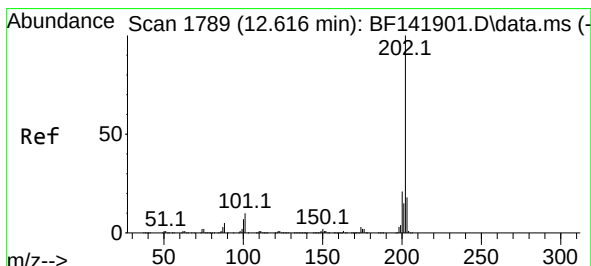
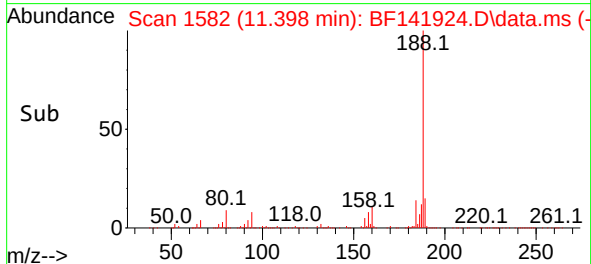
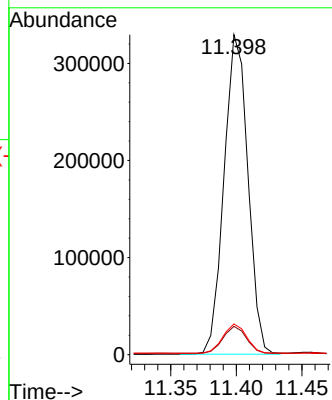
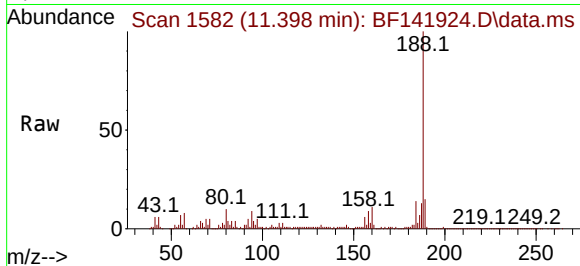




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141924.D
Acq: 11 Mar 2025 19:12

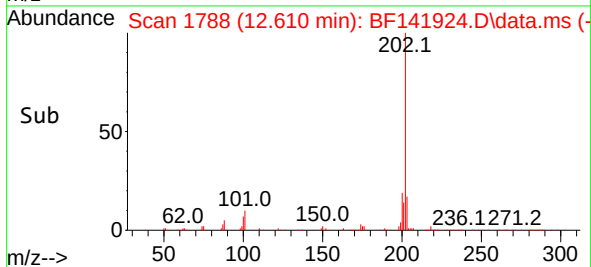
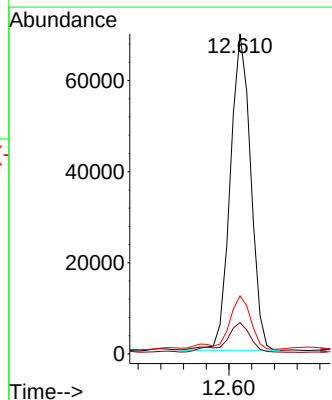
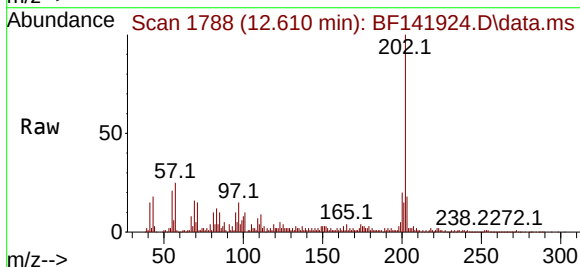
Instrument :
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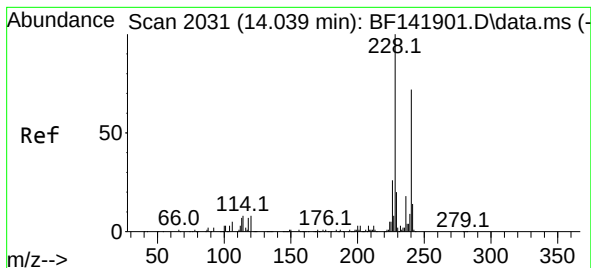
Tgt Ion:188 Resp: 416654
Ion Ratio Lower Upper
188 100
94 8.8 6.8 10.2
80 9.6 7.6 11.4



#75
Fluoranthene
Concen: 3.639 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF141924.D
Acq: 11 Mar 2025 19:12

Tgt Ion:202 Resp: 86871
Ion Ratio Lower Upper
202 100
101 9.8 0.0 29.7
203 18.2 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF141924.D

Acq: 11 Mar 2025 19:12

Instrument :

BNA_F

ClientSampleId :

AU-06-030625

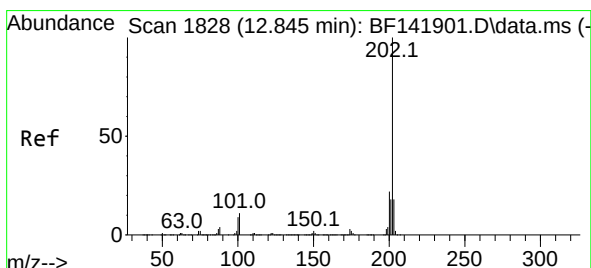
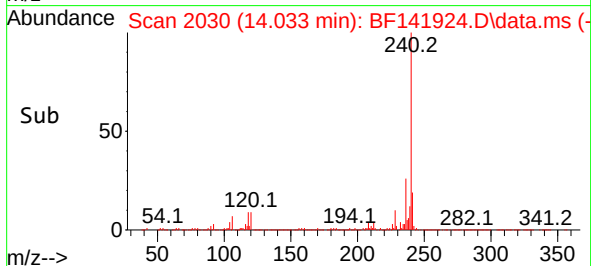
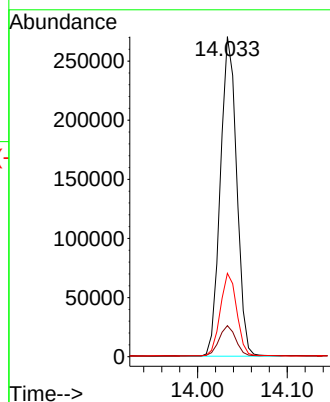
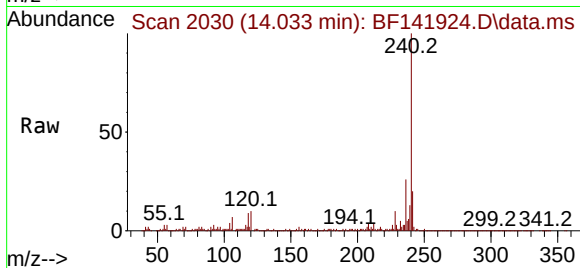
Tgt Ion:240 Resp: 343025

Ion Ratio Lower Upper

240 100

120 9.7 8.4 12.6

236 26.1 20.5 30.7



#78

Pyrene

Concen: 3.111 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF141924.D

Acq: 11 Mar 2025 19:12

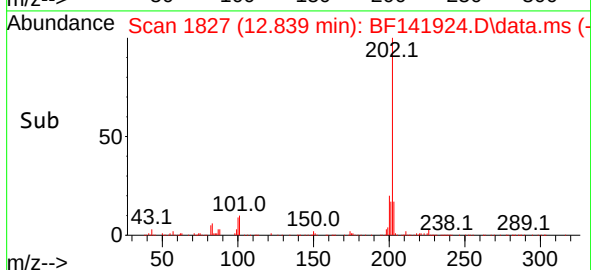
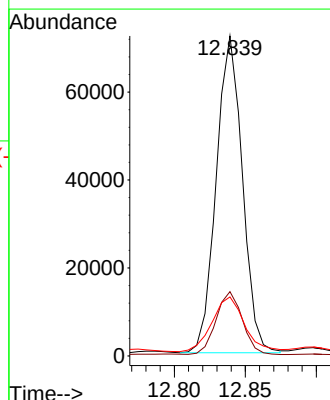
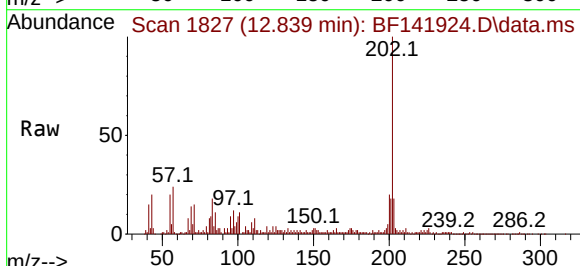
Tgt Ion:202 Resp: 92306

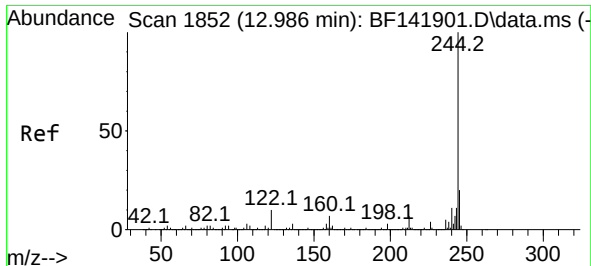
Ion Ratio Lower Upper

202 100

200 20.1 17.3 25.9

203 18.5 14.4 21.6

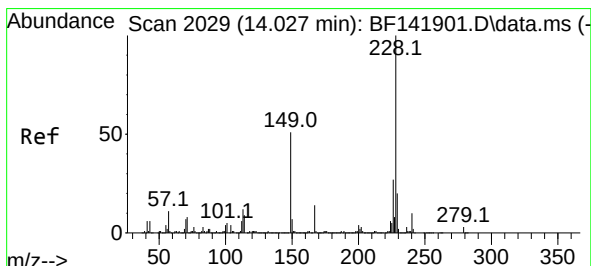
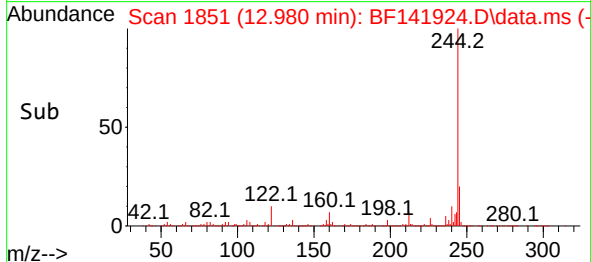
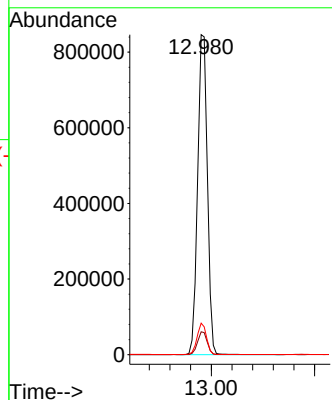
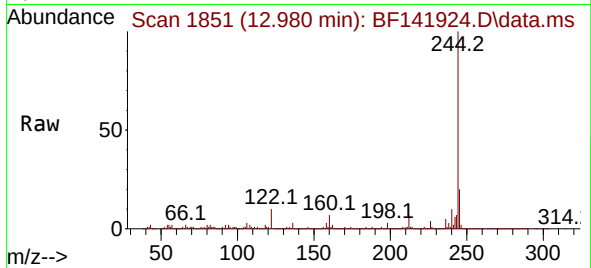




#79
 Terphenyl-d14
 Concen: 47.608 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF141924.D
 Acq: 11 Mar 2025 19:12

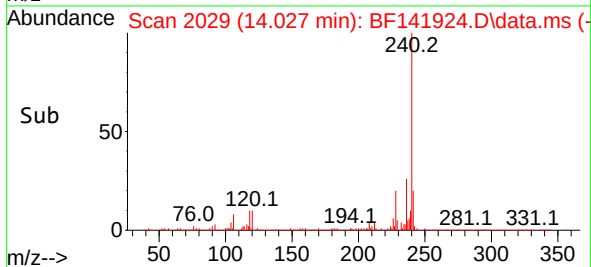
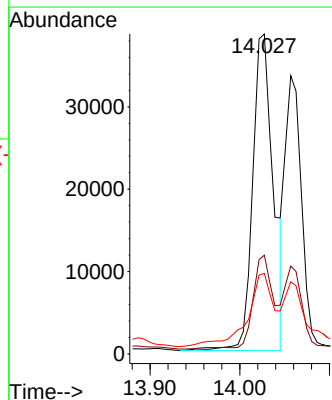
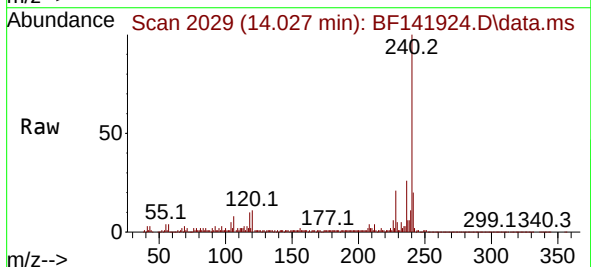
Instrument :
 BNA_F
 ClientSampleId :
 AU-06-030625

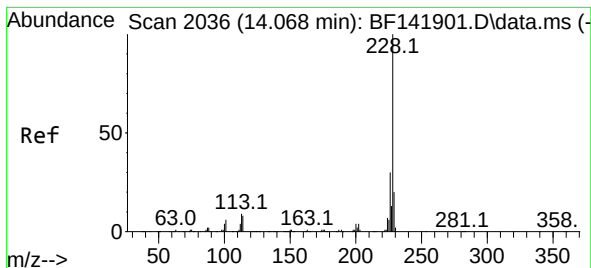
Tgt Ion:244 Resp: 1104591
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 9.8 7.7 11.5



#81
 Benzo(a)anthracene
 Concen: 2.725 ng
 RT: 14.027 min Scan# 2029
 Delta R.T. 0.000 min
 Lab File: BF141924.D
 Acq: 11 Mar 2025 19:12

Tgt Ion:228 Resp: 61334
 Ion Ratio Lower Upper
 228 100
 226 30.8 21.8 32.8
 229 25.2 16.0 24.0#





#83

Chrysene

Concen: 2.067 ng

RT: 14.057 min Scan# 2036

Delta R.T. -0.012 min

Lab File: BF141924.D

Acq: 11 Mar 2025 19:12

Instrument :

BNA_F

ClientSampleId :

AU-06-030625

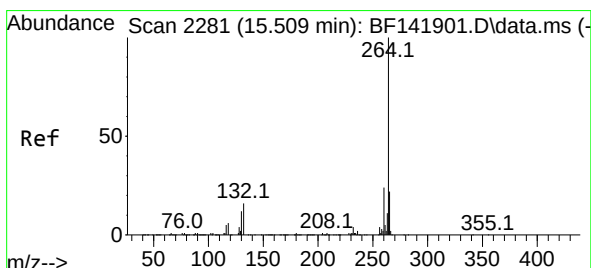
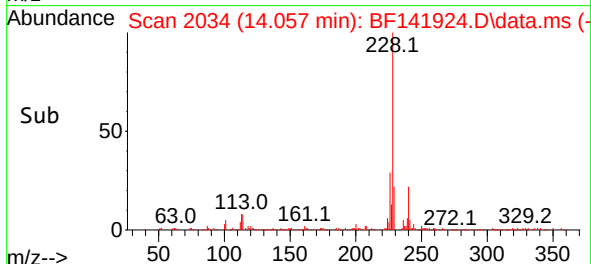
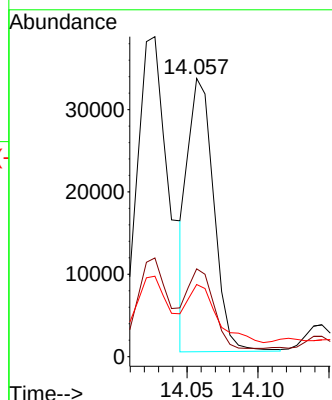
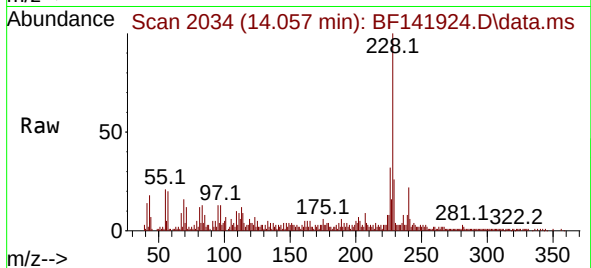
Tgt Ion:228 Resp: 42176

Ion Ratio Lower Upper

228 100

226 31.6 24.1 36.1

229 25.9 15.7 23.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 2281

Delta R.T. 0.000 min

Lab File: BF141924.D

Acq: 11 Mar 2025 19:12

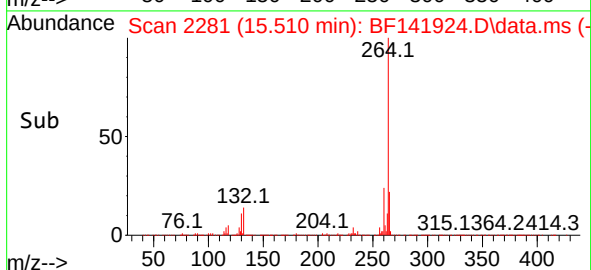
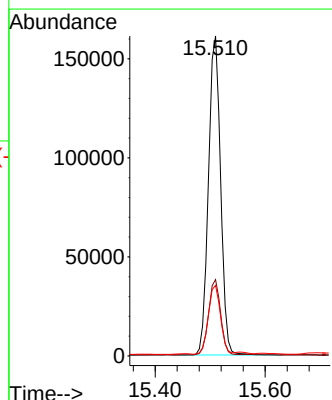
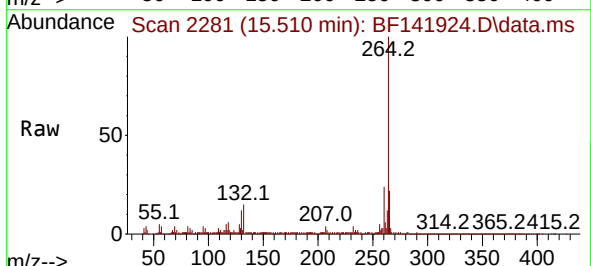
Tgt Ion:264 Resp: 246698

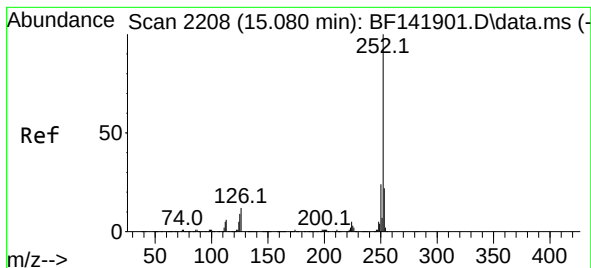
Ion Ratio Lower Upper

264 100

260 23.9 19.1 28.7

265 22.0 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 3.654 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF141924.D

Acq: 11 Mar 2025 19:12

Instrument :

BNA_F

ClientSampleId :

AU-06-030625

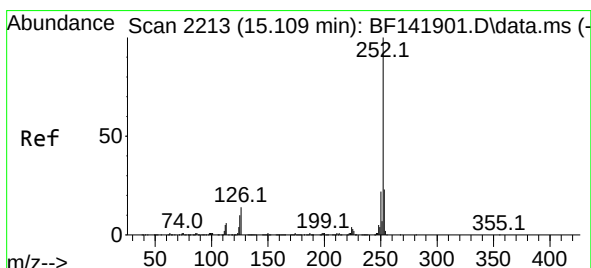
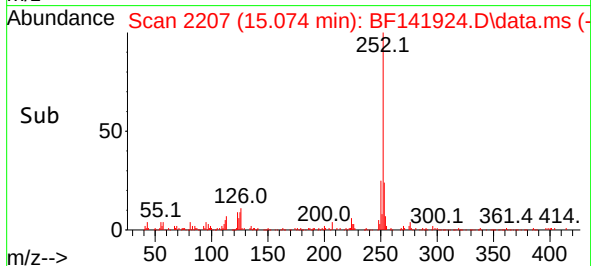
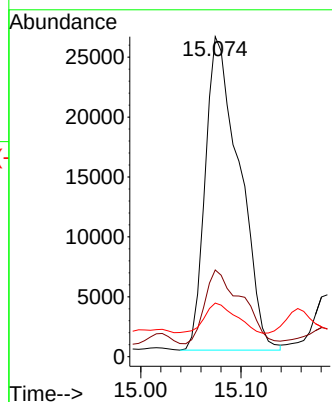
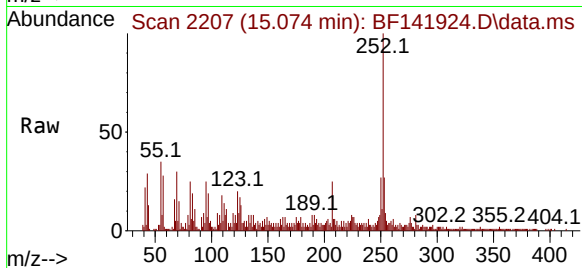
Tgt Ion:252 Resp: 61779

Ion Ratio Lower Upper

252 100

253 27.1 17.5 26.3#

125 16.8 7.0 10.4#



#89

Benzo(k)fluoranthene

Concen: 4.270 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.035 min

Lab File: BF141924.D

Acq: 11 Mar 2025 19:12

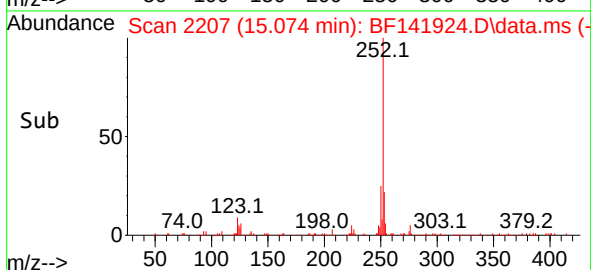
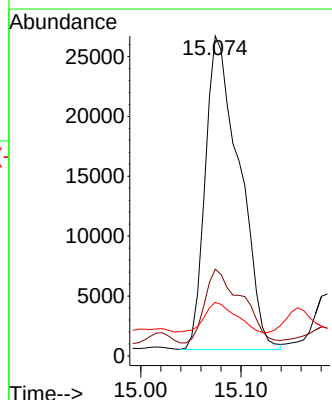
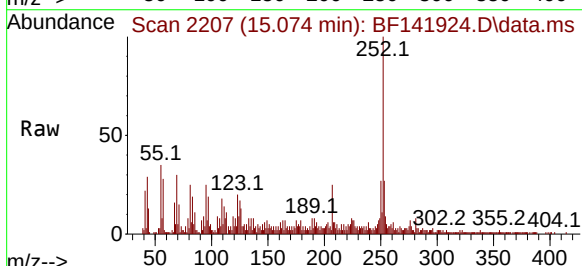
Tgt Ion:252 Resp: 61779

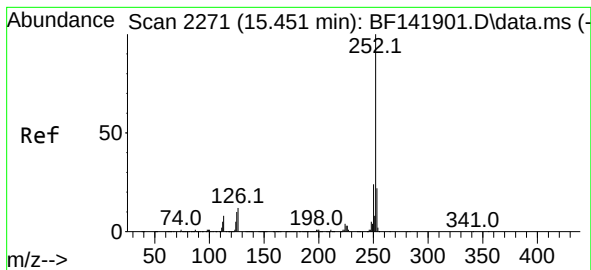
Ion Ratio Lower Upper

252 100

253 27.1 17.7 26.5#

125 16.8 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 2.312 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141924.D

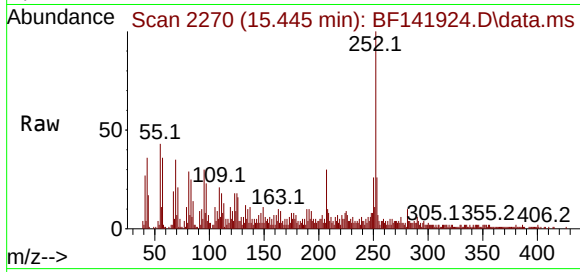
Acq: 11 Mar 2025 19:12

Instrument :

BNA_F

ClientSampleId :

AU-06-030625



Tgt Ion:252 Resp: 30583

Ion Ratio Lower Upper

252 100

253 26.4 17.4 26.0#

125 18.2 7.8 11.8#

